

*A presentation to the  
SRS Citizens Advisory Board  
Facilities Disposition & Site Remediation Committee*

# **Annual Update--Federal Facility Agreement Appendix E**

**Presentation By**

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# Acronyms

ACP	Area Completion Projects
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CMI/RAIP	Corrective Measures Implementation/Remedial Action Implementation Plan
DOE	Department of Energy
ECODS	Early Construction and Operational Disposal Sites
EPA	Environmental Protection Agency Region 4
FFA	Federal Facility Agreement
FY	Fiscal Year
HWCTR	Heavy Water Components Test Reactor
LUCIP	Land Use Control Implementation Plan
LW	Liquid Waste
NA	Not Applicable
NBN	No Building Number
OU	Operable Unit
PAOU	P-Area Operable Unit
RA	Remedial Action
RAOU	R-Area Operable Unit
RCRA/CERCLA	Resource Conservation and Recovery Act / Comprehensive Environmental Response, Compensation, and Liability Act
RSER/EE/CA	Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis
ROD	Record of Decision
SATA	Small Arms Training Area
SCDHEC	South Carolina Department of Health and Environmental Control
SRS	Savannah River Site

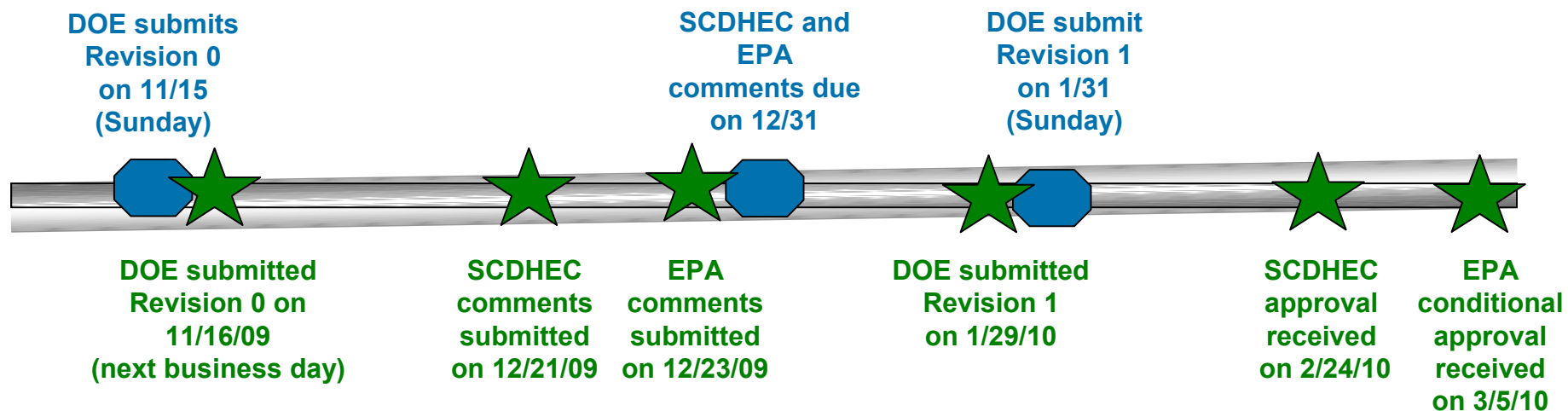
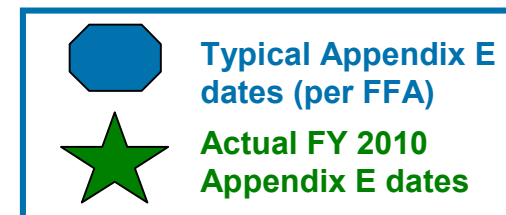
## Purpose

- Annual briefing on FFA cleanup milestones, which are updated and approved annually
- ***Federal Facility Agreement (estab. August 1993)***
  - A legally binding agreement among DOE, EPA, and SCDHEC governing the comprehensive cleanup of releases (or potential releases) of hazardous substances at SRS
  - Includes administrative requirements, enforceable schedules and milestones for actions and documents
  - Includes Removal from Service of some LW tanks
  - Spells out authorities and responsibilities of agencies, and procedures for resolving disputes

## FFA Appendix E

- **Provides a lifecycle list of cleanup milestones for SRS Operable Units (OUs)**
  - Made up of Appendices E.1, E.2, and E.3
    - Appendix E.1 contains Enforceable Milestones for the next Fiscal Year (FY+1)
    - Appendix E.2 contains Enforceable Milestones for FY+2
    - Appendix E.3 contains Planning Milestones for FY+3 and beyond
- **DOE updates Appendix E annually and submits for review to SCDHEC and EPA in November**
- **Annual update starts with current approved milestones, with adjustments to reflect:**
  - Site mission schedules and ACP implementation schedules
  - Regulator-approved schedule changes

# FFA Appendix E Schedule



## FY 2010 Appendix E and Recovery Act

- DOE, EPA, and SCDHEC have agreed that Appendix E will generally show the “baseline” commitments—the commitments that were established prior to Recovery Act
- Recovery Act will accelerate completion of some of them
- No significant changes (from last year’s) will result to this Appendix E from the Recovery Act
- As of April 8, 2009, all work to accomplish the FFA milestones, and much of the work on Liquid Waste Tanks this year, will be funded from the Recovery Act through December 31, 2011

## FY 2010 Appendix E and Recovery Act (continued)

- Cleanup of some OUs will occur through early remedial and/or removal actions
  - C-, K-, and L-Reactor Complexes (early action)
  - DAOU subunits (removal actions)
  - ECODS B-3 and B-5 (removal action)
  - Gunsite 012 Asphalt Floor Tile Piles (removal action)
  - Heavy Water Components Test Reactor (HWCTR) (removal action)
  - PAOU subunits (early and removal actions)
  - RAOU subunits (early and removal actions)
  - Small Arms Training Area (SATA) (removal action)
- **Removal** actions have documents (i.e., RSER/EE/CAs and Action Memoranda), but no enforceable milestones in the FFA
- Early **remedial** actions have enforceable milestones in the FFA



## **FY 2010 Appendix E and Recovery Act (continued)**

- **Removal actions have impacted some FFA enforceable milestones**
- **However, the cleanup will be accomplished earlier, the final remedy after the ROD will now be land use controls**
  - **Deleted milestone for submittal of the “PAOU CMI/RAIP,” because no action will be left to implement**
  - **“PAOU Issue ROD” moved from June 2, 2010 to September 7, 2010**
  - **“PAOU Remedial Action Start” moved from August 31, 2010 to March 15, 2011**
  - **“RAOU Issue ROD” moved from October 26, 2010 to May 5, 2011**
  - **“RAOU Remedial Action Start” moved from January 31, 2011 to June 6, 2011**



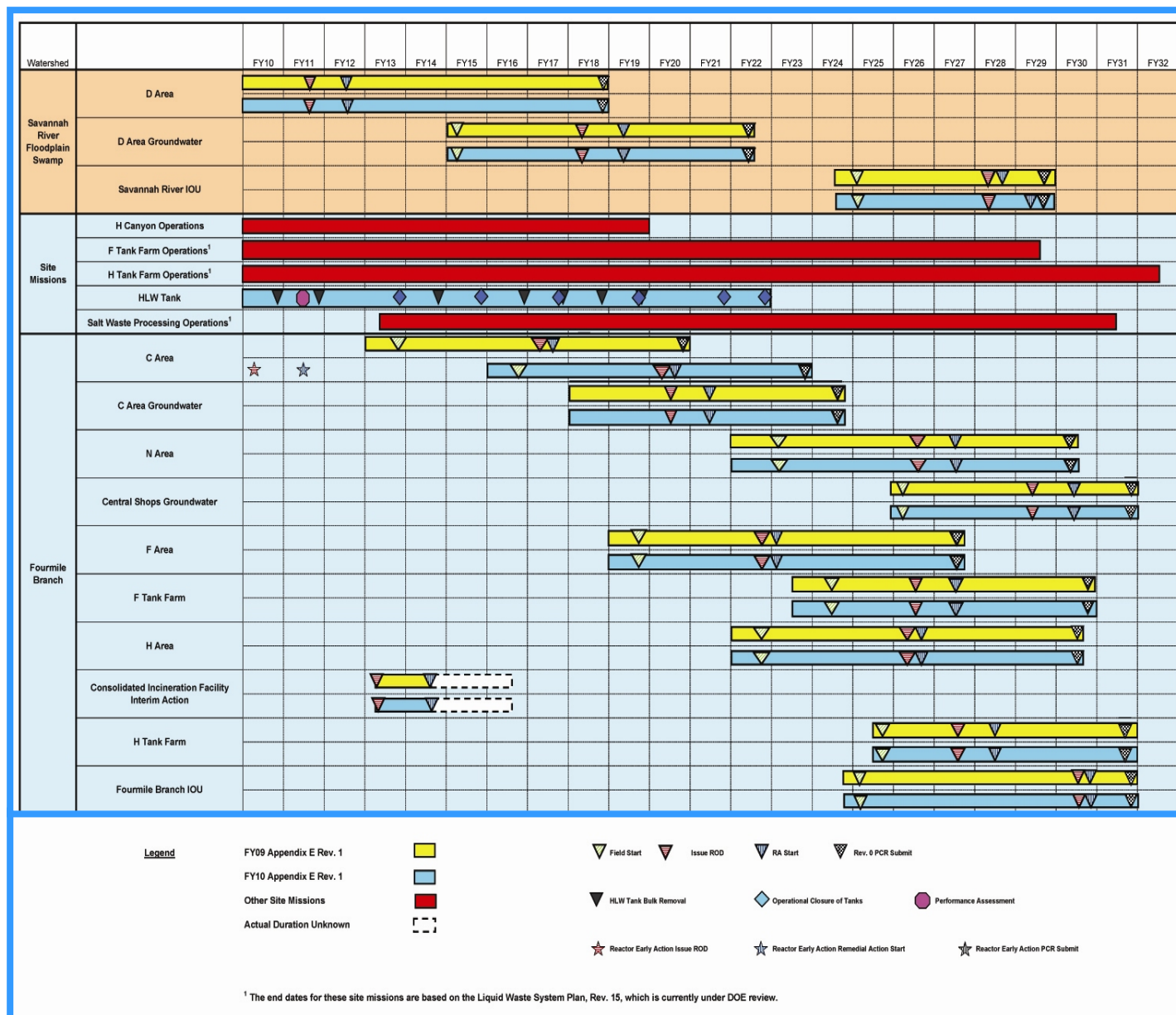
# Future Planned Removal Actions

- **C-Area Cask Car Railroad Tracks**
- **C-Area Reactor Disassembly Basin**
- **A-Area Ash Pile, A-Area Coal Pile Runoff Basin, and Stormwater Outfall A-013**

## **FY 2010 FFA Appendix E - Major Changes**

- **Adjusted milestones for C-Area Operable Unit (out)**
  - Historic Preservation status still To Be Determined
  - Continuing missions in C-Reactor Complex
- **Deleted entries from Appendix E.3 where Site Evaluation Report Submittals, Field Starts, Records of Decisions, and Remedial Action Starts were completed**
- **Accelerated the milestone submittal dates for the Gunsite 218 Rubble Pile (631-23G) and L-Area Northern Groundwater (NBN) based on “No Further Action” decisions for these OUs**
- **Created the B-Area Operable Unit (ECODS B-3 and B-5 and HWCTR)**
- **Created milestones for the submittal of the PAOU and RAOU Post-Construction Reports**

# SRS Closure Plan



# Appendix E.1

## Revision.1 Appendix E: Fiscal Year 2010 Long-Term Projections E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2011

<b>Deliverable or Milestone:</b>	<b>Milestone/ Submittal Date (MM/DD/YYYY)</b>
Revision.0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2011 Submittal	10/01/2010
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Revision.0 Appendix H, RCRA Regulated Units for Fiscal Year 2011 Submittal	10/01/2010
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
<b>Gunsite 218 Rubble Pile (631-23G) Operable Unit Issue Record of Decision (ROD)</b>	10/04/2010
SRS Unit Index Number(s): 39	CERCLIS OU Number(s): 80
ECODS L-1, N-2, P-2, and R-1A, -1B, -1C (NBN) Operable Unit Revision.0 Corrective Measures Implementation Report/Remedial Action Completion Report Submittal	11/10/2010
SRS Unit Index Number(s): 535 539 545 540	CERCLIS OU Number(s): 22
Revision.0 Appendix E for Fiscal Year 2011 (Commitments for Fiscal Years 2012 & 2013 and Projected ROD Issuance Dates for Fiscal Year 2014+) Submittal	11/15/2010
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Administrative Record File Indices Annual Update for Fiscal Year 2010 Submittal	12/01/2010
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
FFA Annual Progress Report for Fiscal Year 2010 Submittal (Including annual certification of Institutional Control Units)	12/01/2010
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA

# Appendix E.2

## Revision.1 Appendix E: Fiscal Year 2010 Long-Term Projections E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2012

<b>Deliverable or Milestone:</b>	<b>Milestone/ Submittal Date (MM/DD/YYYY)</b>
Revision.0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2012 Submittal	10/01/2011
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
Revision.0 Appendix H, RCRA Regulated Units Facilities for Fiscal Year 2012 Submittal	10/01/2011
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA
<b>A-Area Ash Pile (788-0A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) Operable Unit RFI/RI Field Start</b>	10/10/2011
SRS Unit Index Number(s): 236 47 483	CERCLIS OU Number(s): 62
<b>L-Area Northern Groundwater (NBN) Issue Record of Decision (ROD)</b>	10/28/2011
SRS Unit Index Number(s): 503	CERCLIS OU Number(s): 77
Fourmile Branch Integrator Operable Unit (Including the Un-named Tributary of Fourmile Branch) Revision.0 Periodic Report #4 Submittal	10/30/2011
SRS Unit Index Number(s): 504 511	CERCLIS OU Number(s): 84
Revision.0 Appendix E for Fiscal Year 2012 (Commitments for Fiscal Years 2013 & 2014 and Projected ROD Issuance Dates for Fiscal Year 2015+) Submittal	11/15/2011
SRS Unit Index Number(s): NA	CERCLIS OU Number(s): NA



# Appendix E.3

**Revision.1 Appendix E: Fiscal Year 2010 Long-Term Projections**  
**E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2013+)**  
**Sorted in order of Watershed, Category, and Unit Name**

**Watershed**

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)  
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,  
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name  
Unit Name**

**Site  
Evaluation  
Report  
Submittal  
Date  
or  
Field Start**

**ROD  
Issuance**

**RA Start  
or  
Tank Dates**

**Fourmile Branch Watershed**

**High Level Radioactive Waste Tanks**

Complete Bulk Waste Removal Efforts for Two (2) Tanks SRS Index Number(s): NA CERCLIS OU Number(s): 23 or 89		SEP 2014
Complete Bulk Waste Removal Efforts for Two (2) Tanks SRS Index Number(s): NA CERCLIS OU Number(s): 23 or 89		SEP 2016
Complete Bulk Waste Removal Efforts for Three (3) Tanks SRS Index Number(s): NA CERCLIS OU Number(s): 23 or 89		SEP 2017
Complete Bulk Waste Removal Efforts for Six (6) Tanks SRS Index Number(s): NA CERCLIS OU Number(s): 23 or 89		SEP 2018

## Summary

**THE FY 2010 FFA APPENDIX E IS AVAILABLE ONLINE AT:**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.html>**

- **Accesses the Savannah River Site Area Completion Projects Federal Facility Agreement and supporting documentation pages**
- **Click on Federal Facility Agreement for the pdf version of the document**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.pdf>**

- **Accesses the pdf version of the Federal Facility Agreement**

**THE RECOVERY ACT INFORMATION IS AVAILABLE ONLINE AT:**

**[www.srs.gov/recovery](http://www.srs.gov/recovery)**

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# Questions and Answers

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